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(54) **RETRACTABLE ANTENNA FOR PORTABLE TELEPHONE**

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(57) **ABSTRACT**

An antenna system that may be used in a portable radio-telephone. In one embodiment, an antenna is housed within a first housing portion and is extended therefrom when a second portion of the housing is pivoted to an open position relative to the first housing portion. The antenna is retracted back into the first housing portion when the second housing portion is pivoted to a closed position relative to the first housing portion. In another embodiment, the second housing portion is slidably affixed to the first housing portion and the antenna is extended from the first housing portion when the second housing portion is moved relative to an open position relative to the first housing portion and the antenna is retracted into the first housing portion when the second housing portion is moved into a closed position relative to the first housing portion.

7 Claims, 5 Drawing Sheets

